

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
 Data File : VY023827.D
 Acq On : 26 Nov 2025 15:17
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/01/2025
 Supervised By : Mahesh Dadoda 12/02/2025

Quant Time: Nov 27 01:23:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	571360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	904607	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	803847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	420494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	274961	49.416	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.840%		
35) Dibromofluoromethane	7.640	113	266262	49.687	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.380%		
50) Toluene-d8	10.103	98	1057967	49.705	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.400%		
62) 4-Bromofluorobenzene	12.402	95	355777	50.800	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	179252	41.629	ug/l	99
3) Chloromethane	2.074	50	288955	43.864	ug/l	99
4) Vinyl Chloride	2.208	62	336827	47.267	ug/l	99
5) Bromomethane	2.598	94	236653	47.077	ug/l	96
6) Chloroethane	2.739	64	233168	50.207	ug/l	99
7) Trichlorofluoromethane	3.062	101	454138	47.138	ug/l	99
8) Diethyl Ether	3.458	74	146506	48.282	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	260646	46.354	ug/l	100
10) Methyl Iodide	4.007	142	317475	51.524	ug/l	99
11) Tert butyl alcohol	4.860	59	84009	183.834	ug/l	99
12) 1,1-Dichloroethene	3.793	96	264108	47.743	ug/l	97
13) Acrolein	3.659	56	138051	210.143	ug/l	99
14) Allyl chloride	4.385	41	413696	47.206	ug/l	95
15) Acrylonitrile	5.061	53	309649	236.435	ug/l	99
16) Acetone	3.873	43	330726	206.301	ug/l	99
17) Carbon Disulfide	4.110	76	819337	45.894	ug/l	99
18) Methyl Acetate	4.385	43	149106	48.162	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	708434	50.112	ug/l	96
20) Methylene Chloride	4.622	84	301354	44.464	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	298101	48.671	ug/l	95
22) Diisopropyl ether	6.025	45	960058	50.665	ug/l	97
23) Vinyl Acetate	5.964	43	2600764	246.812	ug/l	99
24) 1,1-Dichloroethane	5.921	63	538905	48.343	ug/l	97
25) 2-Butanone	6.896	43	425749	217.615	ug/l	99
26) 2,2-Dichloropropane	6.890	77	450788	45.622	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	354309	49.814	ug/l	98
28) Bromochloromethane	7.244	49	227811	49.129	ug/l	97
29) Tetrahydrofuran	7.262	42	255672	234.305	ug/l	98
30) Chloroform	7.421	83	554313	49.452	ug/l	99
31) Cyclohexane	7.701	56	478906	44.769	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	482715	48.515	ug/l	100
36) 1,1-Dichloropropene	7.835	75	398553	48.507	ug/l	100
37) Ethyl Acetate	6.988	43	185187	47.917	ug/l	99
38) Carbon Tetrachloride	7.823	117	434773	48.208	ug/l	98
39) Methylcyclohexane	9.109	83	517024	47.646	ug/l	98
40) Benzene	8.079	78	1238498	48.982	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	100002	51.830	ug/l #	90
42) 1,2-Dichloroethane	8.158	62	327933	50.308	ug/l	99
43) Isopropyl Acetate	8.201	43	352607	48.822	ug/l #	88
44) Trichloroethene	8.866	130	322371	49.691	ug/l	99
45) 1,2-Dichloropropane	9.140	63	298213	50.023	ug/l	100
46) Dibromomethane	9.231	93	162413	50.207	ug/l	100
47) Bromodichloromethane	9.420	83	427133	50.525	ug/l	97
48) Methyl methacrylate	9.219	41	171113	50.321	ug/l	97
49) 1,4-Dioxane	9.231	88	35789	987.182	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	926334	243.643	ug/l	99
52) Toluene	10.170	92	793643	50.632	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	389189	50.256	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	461449	49.780	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	215001	49.616	ug/l	98
56) Ethyl methacrylate	10.438	69	290603	51.075	ug/l	98
57) 1,3-Dichloropropane	10.713	76	378848	50.118	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	688710	251.966	ug/l	98
59) 2-Hexanone	10.755	43	651514	231.731	ug/l	99
60) Dibromochloromethane	10.908	129	295327	50.789	ug/l	100
61) 1,2-Dibromoethane	11.012	107	200345	49.810	ug/l	98
64) Tetrachloroethene	10.646	164	370626	48.603	ug/l	98
65) Chlorobenzene	11.438	112	871257	49.377	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	302682	50.495	ug/l	99
67) Ethyl Benzene	11.518	91	1513391	50.214	ug/l	100
68) m/p-Xylenes	11.627	106	1170854	100.816	ug/l	100
69) o-Xylene	11.950	106	553367	50.823	ug/l	98
70) Styrene	11.969	104	926810	51.673	ug/l	99
71) Bromoform	12.133	173	171202	48.963	ug/l #	99
73) Isopropylbenzene	12.249	105	1454417	48.735	ug/l	100
74) N-amyl acetate	12.066	43	317269	47.585	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	227964	46.397	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	168168m	45.989	ug/l	
77) Bromobenzene	12.530	156	337120	48.027	ug/l	99
78) n-propylbenzene	12.591	91	1735219	48.294	ug/l	99
79) 2-Chlorotoluene	12.676	91	988045	47.779	ug/l	98
80) 1,3,5-Trimethylbenzene	12.731	105	1189783	48.836	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	79745	46.096	ug/l	99
82) 4-Chlorotoluene	12.773	91	1018939	47.978	ug/l	99
83) tert-Butylbenzene	12.993	119	1068834	48.836	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1199147	49.251	ug/l	99
85) sec-Butylbenzene	13.170	105	1552329	48.049	ug/l	100
86) p-Isopropyltoluene	13.285	119	1314560	48.681	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	676533	48.090	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	660850	47.061	ug/l	100
89) n-Butylbenzene	13.615	91	1198598	48.408	ug/l	100
90) Hexachloroethane	13.877	117	268422	47.311	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	590739	48.018	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	35446	43.099	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	348954	47.574	ug/l	99
94) Hexachlorobutadiene	15.017	225	214819	47.027	ug/l	98
95) Naphthalene	15.139	128	591368	47.806	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	300742	48.142	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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